**Earth Science Deformation of the Crust (Ch. 11 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words**

Deformation-

Stress-

Strain-

Mountain range-

Folded mountain-

Fault-block mountain-

Dome mountain-

*Respond to the following questions/prompts:*

Summarize the principle of isostasy. What would happen, according to the principle of isostasy, if a HUGE groundwater aquifer was depleted? How would the land change? Explain. (3 pts)

Identify and describe the three main types of stress that occurs in rocks. (3 pts)

What are the types of plate collisions that form mountains? Describe each type of plate collision in detail. (3 pts)

Identify and compare four types of mountains. Give an example of where each mountain type is found in the world. (4 pts)

Compare and contrast how folded and faulted mountains form. (2 pts)

***ABOUT THE READING:***

Write three things that you learned about the Deformation of Earth's Crust*:*

***Make sure to write a full sentence.***

*Example: I learned that strike-slip faults commonly occur at transform plate boundaries and can cause small ridges to form near the fault zone.*

*1.*

*2.*

*3.*

***Assigned work:***

***Research a mountain range.*** Create a "quick" 5 slide presentation on a mountain range of your choice that describes the geologic history, unique characteristics, and attractions that exist that are associated with the mountain. Further information will be provided in class. (10 pts)